

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT AS-DRILLED PLAT

¹ API Number 30-015-45855	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code 325339	⁵ Property Name POKER LAKE UNIT 25 BD	⁶ Well Number 124H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,345'

¹⁰ Surface Location

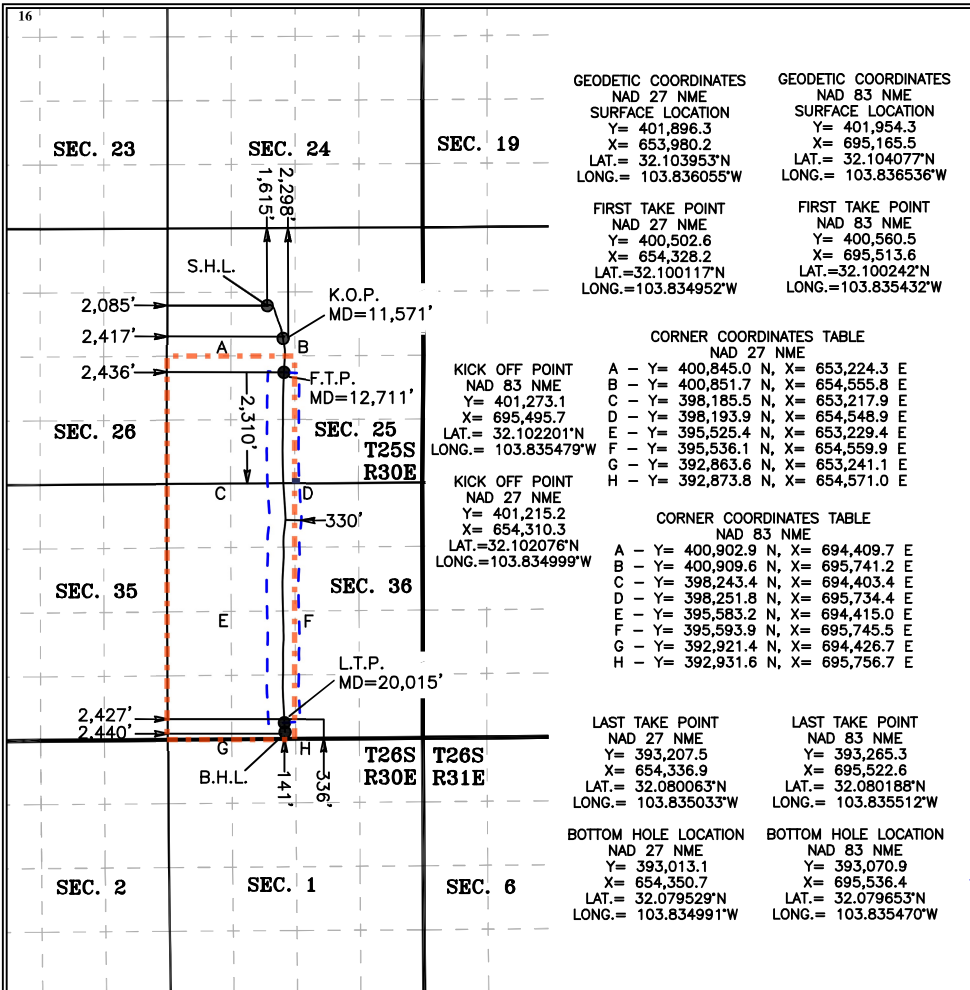
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	25	25 S	30 E		1,615	NORTH	2,085	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	36	25 S	30 E		141	SOUTH	2,440	WEST	EDDY

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.
NOTE: AS-DRILLED BOTTOM HOLE PLOTTED FROM DATA FURNISHED BY XTO ENERGY



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: Cheryl Rowell Date: 6/25/20

Printed Name: Cheryl Rowell

E-mail Address: cheryl_rowell@xtoenergy.com

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

6-25-2020

Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP 23786

Certificate Number



JC

2018010051

Intent ☐ As Drilled ☒

API # 30-015-45855			
Operator Name: XTO Permian Operating LLC		Property Name: Poker Lake Unit 25 BD	Well Number 124H

Kick Off Point (KOP)

UL F	Section 25	Township 25S	Range 30E	Lot	Feet 2298	From N/S FNL	Feet 2417	From E/W FWL	County Eddy
Latitude 32.102201					Longitude 103.835479				NAD 83

First Take Point (FTP)

UL K	Section 25	Township 25S	Range 30E	Lot	Feet 2310	From N/S FSL	Feet 2436	From E/W FWL	County Eddy
Latitude 32.100242					Longitude 103.835432				NAD 83

Last Take Point (LTP)

UL N	Section 36	Township 25S	Range 30E	Lot	Feet 336	From N/S FSL	Feet 2427	From E/W FWL	County Eddy
Latitude 32.080188					Longitude 103.835512				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ NO

Is this well an infill well? ☐ YES

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-46242			
Operator Name: XTO Permian Operating LLC		Property Name: Poker Lake Unit 25 BD	Well Number 202H

KZ 06/29/2018



I **Larry Wright**, certify that I am employed by **Wellbenders Directional Services**. That I did on the day(s) of **10/17/19** thru **11/18/19** conduct or supervise the taking of a **MWD Survey** from a depth of **177'** to a depth of **12030'** and from a depth of **11936'** to a depth of **20210'**; that the data is true, correct, complete and within the limitations of the tool as set forth by **Wellbenders Directional Services**; that I am authorized and qualified to make this report; that this survey was conducted at the request of **XTO Energy Inc** for the **Poker Lake Unit 25 BD 154H** API No. **30-015-45855** in **Eddy, New Mexico**; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by **Wellbenders Directional Services**.

Larry Wright

Larry
Wright

Digitally signed
by Larry Wright
Date:
2020.02.03
14:56:16 -06'00'



XTO Energy

Eddy County, NM (Nad-27 / East Zone)

Poker Lake Unit 25 BD

#154H

ST01

Design: ST01

End Of Well Report

04 December, 2019



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #154H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Site:	Poker Lake Unit 25 BD	MD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Well:	#154H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	WBDS_SQL_2

Project	Eddy County, NM (Nad-27 / East Zone)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Poker Lake Unit 25 BD		
Site Position:		Northing:	400,908.10 usft
From:	Map	Easting:	652,415.30 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in
		Latitude:	32.101256
		Longitude:	-103.841124
		Grid Convergence:	0.262 °

Well		#154H				
Well Position	+N/-S	0.00 usft	Northing:	401,896.30 usft	Latitude:	32.103953
	+E/-W	0.00 usft	Easting:	653,980.20 usft	Longitude:	-103.836055
Position Uncertainty	0.00 usft		Wellhead Elevation:	usft	Ground Level:	3,345.00 usft

Wellbore	ST01				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/17/2019	6.806	59.879	47,591.46123454

Design	ST01			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 11,889.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	179.86



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #154H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Site:	Poker Lake Unit 25 BD	MD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Well:	#154H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	WBDS_SQL_2

Survey Program		Date	12/4/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
177.00	11,889.00	Survey #1 (Wellbore #1)	WBDS_IGRF	OWSG MWD + IGRF or WMM	
11,936.00	20,210.00	Survey #1 (ST01)	WBDS_IGRF	OWSG MWD + IGRF or WMM	

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
177.00	0.79	344.98	176.99	1.18	-0.32	-1.18	177.00	344.98	0.45	
262.00	0.88	322.84	261.99	2.26	-0.86	-2.27	85.00	333.31	0.39	
350.00	0.70	295.24	349.98	3.03	-1.76	-3.04	88.00	310.64	0.47	
443.00	0.62	316.77	442.97	3.64	-2.62	-3.65	93.00	305.34	0.28	
573.00	0.79	316.95	572.96	4.81	-3.71	-4.82	130.00	316.87	0.13	
597.00	0.88	107.94	596.96	4.87	-3.65	-4.88	24.00	44.21	6.74	
691.00	1.71	108.38	690.94	4.21	-1.63	-4.21	94.00	108.23	0.88	
784.00	1.71	105.57	783.89	3.40	1.02	-3.40	93.00	106.97	0.09	
879.00	1.71	106.89	878.85	2.61	3.75	-2.60	95.00	106.23	0.04	
973.00	1.80	93.88	972.81	2.10	6.56	-2.08	94.00	100.22	0.43	
1,067.00	1.71	94.67	1,066.76	1.88	9.43	-1.86	94.00	94.26	0.10	
1,083.00	1.41	108.29	1,082.76	1.80	9.86	-1.78	16.00	100.82	2.97	
1,227.00	1.80	83.25	1,226.70	1.51	13.79	-1.48	144.00	94.22	0.55	
1,322.00	1.80	77.36	1,321.66	2.01	16.72	-1.97	95.00	80.31	0.19	
1,417.00	1.71	61.01	1,416.61	3.03	19.42	-2.98	95.00	69.40	0.53	
1,512.00	1.58	56.44	1,511.57	4.44	21.75	-4.39	95.00	58.82	0.19	
1,605.00	1.71	61.98	1,604.54	5.80	24.04	-5.74	93.00	59.32	0.22	
1,699.00	1.49	62.15	1,698.50	7.03	26.36	-6.97	94.00	62.06	0.23	
1,794.00	1.19	48.53	1,793.47	8.26	28.19	-8.19	95.00	56.11	0.46	
1,888.00	1.32	35.79	1,887.45	9.78	29.56	-9.71	94.00	41.83	0.33	



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #154H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Site:	Poker Lake Unit 25 BD	MD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Well:	#154H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
1,983.00	1.32	32.09	1,982.43	11.60	30.78	-11.52	95.00	33.94	0.09	
2,076.00	1.41	70.85	2,075.40	12.88	32.43	-12.80	93.00	52.13	0.98	
2,170.00	1.89	72.87	2,169.36	13.72	35.00	-13.63	94.00	72.01	0.51	
2,263.00	1.49	54.86	2,262.32	14.87	37.46	-14.77	93.00	64.94	0.71	
2,357.00	1.41	61.01	2,356.29	16.13	39.47	-16.03	94.00	57.85	0.19	
2,450.00	1.71	44.75	2,449.26	17.67	41.45	-17.57	93.00	52.09	0.57	
2,544.00	1.41	103.90	2,543.23	18.39	43.56	-18.28	94.00	71.20	1.66	
2,638.00	1.71	125.96	2,637.19	17.29	45.81	-17.17	94.00	116.00	0.71	
2,731.00	1.80	112.43	2,730.15	15.91	48.29	-15.80	93.00	119.02	0.45	
2,824.00	1.58	106.19	2,823.11	15.00	50.87	-14.88	93.00	109.51	0.31	
2,919.00	2.20	96.78	2,918.06	14.42	53.94	-14.29	95.00	100.71	0.73	
3,013.00	2.02	96.34	3,011.99	14.02	57.38	-13.88	94.00	96.57	0.19	
3,107.00	2.51	98.98	3,105.92	13.52	61.05	-13.37	94.00	97.80	0.53	
3,201.00	2.68	100.21	3,199.82	12.81	65.25	-12.65	94.00	99.62	0.19	
3,296.00	3.52	98.98	3,294.68	11.96	70.32	-11.79	95.00	99.51	0.89	
3,389.00	4.79	106.71	3,387.44	10.40	76.86	-10.21	93.00	103.44	1.49	
3,483.00	3.38	119.37	3,481.20	7.91	83.03	-7.71	94.00	111.95	1.77	
3,577.00	3.78	141.43	3,575.02	4.13	87.38	-3.91	94.00	131.02	1.52	
3,670.00	5.01	120.69	3,667.75	-0.34	92.78	0.57	93.00	129.60	2.14	
3,764.00	5.89	123.59	3,761.33	-5.11	100.33	5.35	94.00	122.26	0.98	
3,859.00	4.70	138.97	3,855.92	-10.74	106.94	11.00	95.00	130.41	1.94	
3,953.00	4.48	138.44	3,949.62	-16.39	111.91	16.66	94.00	138.71	0.24	
3,961.00	4.40	136.16	3,957.60	-16.85	112.33	17.12	8.00	137.31	2.42	
4,044.00	4.22	138.79	4,040.36	-21.44	116.55	21.72	83.00	137.45	0.32	
4,138.00	6.11	139.50	4,133.98	-27.85	122.07	28.14	94.00	139.21	2.01	
4,233.00	6.81	139.23	4,228.37	-35.96	129.04	36.27	95.00	139.36	0.74	
4,327.00	6.90	153.38	4,321.71	-45.23	135.21	45.56	94.00	146.35	1.79	



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #154H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Site:	Poker Lake Unit 25 BD	MD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Well:	#154H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
4,422.00	6.81	157.07	4,416.03	-55.51	139.96	55.86	95.00	155.21	0.47	
4,517.00	6.68	153.73	4,510.37	-65.66	144.60	66.01	95.00	155.42	0.43	
4,612.00	6.59	154.17	4,604.74	-75.52	149.42	75.88	95.00	153.95	0.11	
4,706.00	7.30	163.58	4,698.05	-86.10	153.46	86.48	94.00	159.11	1.42	
4,801.00	7.78	165.51	4,792.23	-98.12	156.77	98.50	95.00	164.58	0.57	
4,896.00	7.52	164.98	4,886.38	-110.35	159.99	110.74	95.00	165.25	0.28	
4,990.00	7.21	163.23	4,979.61	-121.94	163.29	122.33	94.00	164.12	0.41	
5,084.00	6.68	163.05	5,072.92	-132.81	166.58	133.22	94.00	163.14	0.56	
5,179.00	6.51	161.91	5,167.29	-143.22	169.87	143.63	95.00	162.49	0.23	
5,273.00	7.78	161.91	5,260.56	-154.33	173.50	154.76	94.00	161.91	1.35	
5,367.00	8.22	163.75	5,353.64	-166.83	177.35	167.26	94.00	162.86	0.54	
5,460.00	8.00	162.96	5,445.71	-179.40	181.11	179.84	93.00	163.36	0.27	
5,554.00	7.38	162.26	5,538.86	-191.41	184.87	191.86	94.00	162.62	0.67	
5,649.00	6.51	162.96	5,633.17	-202.37	188.30	202.83	95.00	162.59	0.92	
5,743.00	5.89	162.70	5,726.62	-212.07	191.30	212.53	94.00	162.84	0.66	
5,838.00	6.90	161.47	5,821.02	-222.13	194.56	222.60	95.00	162.04	1.07	
5,933.00	8.09	158.48	5,915.21	-233.76	198.83	234.25	95.00	159.86	1.32	
6,027.00	8.00	159.36	6,008.29	-246.03	203.56	246.53	94.00	158.92	0.16	
6,121.00	8.00	159.36	6,101.37	-258.28	208.17	258.78	94.00	159.36	0.00	
6,214.00	7.91	159.97	6,193.48	-270.35	212.64	270.86	93.00	159.66	0.13	
6,307.00	7.91	159.45	6,285.59	-282.35	217.08	282.88	93.00	159.71	0.08	
6,401.00	7.69	161.03	6,378.72	-294.35	221.40	294.89	94.00	160.23	0.33	
6,495.00	7.12	162.17	6,471.94	-305.85	225.22	306.40	94.00	161.58	0.63	
6,588.00	6.99	162.61	6,564.23	-316.73	228.68	317.29	93.00	162.39	0.15	
6,681.00	6.99	161.03	6,656.54	-327.49	232.21	328.05	93.00	161.82	0.21	
6,774.00	6.51	160.06	6,748.90	-337.79	235.85	338.37	93.00	160.56	0.53	
6,867.00	6.51	160.59	6,841.30	-347.72	239.40	348.31	93.00	160.32	0.06	



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #154H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Site:	Poker Lake Unit 25 BD	MD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Well:	#154H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
6,961.00	6.59	160.06	6,934.68	-357.82	243.01	358.41	94.00	160.32	0.11	
7,055.00	6.59	157.78	7,028.06	-367.88	246.89	368.48	94.00	158.92	0.28	
7,149.00	6.59	158.13	7,121.44	-377.88	250.94	378.49	94.00	157.96	0.04	
7,242.00	6.90	157.78	7,213.80	-388.00	255.04	388.63	93.00	157.95	0.34	
7,336.00	6.81	156.63	7,307.13	-398.35	259.38	398.98	94.00	157.21	0.17	
7,430.00	6.90	156.63	7,400.45	-408.65	263.83	409.29	94.00	156.63	0.10	
7,524.00	6.59	158.04	7,493.80	-418.83	268.09	419.49	94.00	157.32	0.37	
7,618.00	6.81	157.87	7,587.16	-429.00	272.21	429.66	94.00	157.95	0.23	
7,712.00	6.51	159.89	7,680.53	-439.16	276.14	439.84	94.00	158.86	0.40	
7,805.00	6.29	163.14	7,772.95	-448.99	279.43	449.67	93.00	161.49	0.46	
7,900.00	5.71	165.95	7,867.43	-458.56	282.09	459.24	95.00	164.48	0.68	
7,994.00	4.88	167.88	7,961.03	-467.00	284.06	467.69	94.00	166.84	0.90	
8,089.00	4.62	164.11	8,055.70	-474.63	285.96	475.33	95.00	166.05	0.43	
8,183.00	4.22	163.75	8,149.42	-481.59	287.96	482.30	94.00	163.94	0.43	
8,277.00	4.40	158.30	8,243.15	-488.26	290.26	488.97	94.00	160.97	0.48	
8,372.00	4.09	156.37	8,337.89	-494.75	292.97	495.47	95.00	157.37	0.36	
8,467.00	3.38	163.49	8,432.69	-500.54	295.12	501.26	95.00	159.59	0.89	
8,562.00	2.90	169.91	8,527.55	-505.59	296.34	506.32	95.00	166.45	0.63	
8,656.00	2.90	172.10	8,621.43	-510.29	297.08	511.01	94.00	171.00	0.12	
8,751.00	2.29	163.84	8,716.33	-514.49	297.94	515.22	95.00	168.46	0.75	
8,844.00	2.90	168.85	8,809.24	-518.59	298.91	519.32	93.00	166.64	0.70	
8,938.00	3.12	168.94	8,903.11	-523.43	299.86	524.16	94.00	168.90	0.23	
9,032.00	3.38	171.66	8,996.95	-528.68	300.76	529.42	94.00	170.35	0.32	
9,126.00	3.78	177.73	9,090.77	-534.52	301.28	535.25	94.00	174.86	0.59	
9,220.00	3.12	174.21	9,184.60	-540.16	301.66	540.90	94.00	176.14	0.74	
9,313.00	2.90	179.49	9,277.47	-545.03	301.94	545.77	93.00	176.75	0.38	
9,407.00	3.38	187.84	9,371.33	-550.15	301.58	550.89	94.00	183.98	0.70	



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #154H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Site:	Poker Lake Unit 25 BD	MD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Well:	#154H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
9,501.00	3.60	190.03	9,465.16	-555.81	300.69	556.54	94.00	188.97	0.27	
9,595.00	4.31	170.70	9,558.94	-562.20	300.75	562.93	94.00	179.49	1.60	
9,689.00	4.09	173.60	9,652.68	-569.02	301.69	569.75	94.00	172.11	0.33	
9,783.00	3.21	186.25	9,746.49	-574.96	301.78	575.70	94.00	179.16	1.26	
9,878.00	2.68	179.49	9,841.37	-579.83	301.51	580.56	95.00	183.17	0.67	
9,973.00	4.00	148.90	9,936.21	-584.89	303.24	585.63	95.00	161.11	2.29	
10,067.00	4.40	143.54	10,029.96	-590.59	307.08	591.34	94.00	146.09	0.60	
10,161.00	4.40	143.98	10,123.68	-596.41	311.34	597.17	94.00	143.76	0.04	
10,255.00	3.69	145.56	10,217.45	-601.82	315.17	602.59	94.00	144.70	0.76	
10,349.00	4.40	152.94	10,311.21	-607.53	318.52	608.30	94.00	149.57	0.94	
10,443.00	5.19	163.67	10,404.89	-614.82	321.36	615.60	94.00	158.75	1.27	
10,537.00	4.09	167.97	10,498.58	-622.18	323.25	622.97	94.00	165.57	1.23	
10,630.00	3.38	176.41	10,591.38	-628.16	324.11	628.95	93.00	171.79	0.96	
10,724.00	2.59	170.61	10,685.25	-633.02	324.63	633.81	94.00	173.89	0.90	
10,818.00	2.42	156.90	10,779.16	-636.94	325.76	637.73	94.00	163.99	0.66	
10,911.00	2.68	183.09	10,872.07	-640.92	326.41	641.71	93.00	170.67	1.27	
11,006.00	2.99	179.66	10,966.96	-645.61	326.31	646.41	95.00	181.28	0.37	
11,100.00	4.09	171.49	11,060.78	-651.38	326.82	652.18	94.00	174.94	1.28	
11,193.00	4.00	171.58	11,153.55	-657.87	327.78	658.67	93.00	171.53	0.10	
11,287.00	4.00	172.28	11,247.32	-664.36	328.70	665.16	94.00	171.93	0.05	
11,381.00	4.00	172.45	11,341.09	-670.86	329.58	671.66	94.00	172.37	0.01	
11,418.00	3.69	173.60	11,378.00	-673.32	329.88	674.13	37.00	173.00	0.86	
11,559.00	2.31	183.23	11,518.81	-680.67	330.22	681.47	141.00	177.31	1.04	
11,606.00	2.83	200.49	11,565.76	-682.70	329.76	683.50	47.00	192.74	1.97	
11,653.00	7.21	180.80	11,612.57	-686.74	329.32	687.54	47.00	186.32	9.88	
11,701.00	13.55	169.19	11,659.77	-695.28	330.33	696.09	48.00	173.23	13.84	
11,748.00	18.42	170.73	11,704.94	-708.03	332.56	708.84	47.00	170.07	10.40	



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #154H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Site:	Poker Lake Unit 25 BD	MD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Well:	#154H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	WBDS_SQL_2

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
11,795.00	19.05	169.68	11,749.45	-722.90	335.13	723.72	47.00	170.20	1.52
11,842.00	20.32	172.86	11,793.70	-738.55	337.52	739.37	47.00	171.32	3.53
11,889.00	23.51	175.89	11,837.30	-756.00	339.21	756.83	47.00	174.48	7.20
11,936.00	17.41	164.22	11,881.33	-772.14	341.79	772.97	47.00	170.89	15.55
11,983.00	23.53	168.74	11,925.35	-788.12	345.54	788.96	47.00	166.80	13.44
12,030.00	29.84	170.35	11,967.32	-808.87	349.34	809.72	47.00	169.63	13.51
12,077.00	37.42	170.59	12,006.42	-834.53	353.64	835.39	47.00	170.48	16.13
12,124.00	46.15	172.49	12,041.44	-865.48	358.20	866.35	47.00	171.62	18.77
12,171.00	49.42	173.39	12,073.01	-900.02	362.47	900.90	47.00	172.95	7.10
12,217.00	52.31	175.05	12,102.04	-935.51	366.05	936.40	46.00	174.24	6.88
12,264.00	57.39	178.26	12,129.10	-973.86	368.26	974.75	47.00	176.71	12.16
12,311.00	61.51	179.26	12,152.98	-1,014.31	369.13	1,015.21	47.00	178.77	8.96
12,358.00	62.78	181.43	12,174.95	-1,055.86	368.87	1,056.76	47.00	180.35	4.90
12,405.00	64.51	184.33	12,195.81	-1,097.92	366.75	1,098.81	47.00	182.89	6.64
12,452.00	67.46	185.09	12,214.94	-1,140.70	363.22	1,141.58	47.00	184.71	6.45
12,499.00	70.48	184.60	12,231.80	-1,184.40	359.52	1,185.28	47.00	184.84	6.50
12,546.00	78.74	182.84	12,244.27	-1,229.58	356.59	1,230.45	47.00	183.70	17.94
12,593.00	85.19	182.69	12,250.83	-1,276.04	354.35	1,276.91	47.00	182.76	13.73
12,687.00	88.59	183.38	12,255.93	-1,369.76	349.38	1,370.61	94.00	183.04	3.69
12,781.00	87.77	183.28	12,258.92	-1,463.55	343.92	1,464.39	94.00	183.33	0.88
12,842.00	89.73	185.03	12,260.25	-1,524.37	339.50	1,525.20	61.00	184.16	4.31
12,936.00	88.14	180.86	12,262.00	-1,618.21	334.67	1,619.02	94.00	182.95	4.75
13,030.00	88.14	180.81	12,265.05	-1,712.15	333.31	1,712.96	94.00	180.84	0.05
13,123.00	90.80	179.88	12,265.91	-1,805.13	332.75	1,805.94	93.00	180.34	3.03
13,217.00	89.76	182.25	12,265.45	-1,899.11	331.00	1,899.91	94.00	181.07	2.75
13,311.00	92.51	180.67	12,263.59	-1,993.05	328.60	1,993.84	94.00	181.46	3.37
13,405.00	92.87	181.43	12,259.17	-2,086.93	326.88	2,087.72	94.00	181.05	0.89



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #154H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Site:	Poker Lake Unit 25 BD	MD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Well:	#154H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	WBDS_SQL_2

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
13,498.00	90.91	180.06	12,256.11	-2,179.86	325.68	2,180.65	93.00	180.74	2.57
13,592.00	90.43	180.07	12,255.01	-2,273.85	325.57	2,274.64	94.00	180.07	0.51
13,685.00	89.79	179.77	12,254.83	-2,366.85	325.70	2,367.64	93.00	179.92	0.76
13,779.00	91.78	180.30	12,253.54	-2,460.84	325.64	2,461.63	94.00	180.03	2.19
13,873.00	91.55	180.64	12,250.81	-2,554.80	324.87	2,555.58	94.00	180.47	0.44
13,967.00	91.41	180.71	12,248.38	-2,648.76	323.76	2,649.54	94.00	180.68	0.17
14,061.00	91.13	181.09	12,246.30	-2,742.72	322.29	2,743.50	94.00	180.90	0.50
14,155.00	91.13	180.95	12,244.45	-2,836.69	320.61	2,837.47	94.00	181.02	0.15
14,248.00	89.71	180.24	12,243.76	-2,929.68	319.65	2,930.45	93.00	180.59	1.71
14,343.00	89.23	180.81	12,244.64	-3,024.67	318.78	3,025.44	95.00	180.52	0.78
14,437.00	89.40	178.53	12,245.77	-3,118.66	319.32	3,119.43	94.00	179.67	2.43
14,531.00	89.09	179.17	12,247.01	-3,212.63	321.21	3,213.40	94.00	178.85	0.76
14,626.00	88.42	179.20	12,249.07	-3,307.60	322.56	3,308.38	95.00	179.18	0.71
14,720.00	88.28	178.29	12,251.78	-3,401.53	324.62	3,402.32	94.00	178.75	0.98
14,815.00	87.15	177.18	12,255.56	-3,496.38	328.37	3,497.17	95.00	177.74	1.67
14,908.00	92.31	179.86	12,256.00	-3,589.31	330.77	3,590.11	93.00	178.52	6.25
15,003.00	90.10	176.27	12,254.00	-3,684.21	333.97	3,685.02	95.00	178.06	4.44
15,097.00	89.54	175.34	12,254.30	-3,777.96	340.85	3,778.78	94.00	175.81	1.15
15,191.00	91.69	177.57	12,253.29	-3,871.76	346.66	3,872.60	94.00	176.45	3.30
15,285.00	91.22	178.03	12,250.90	-3,965.66	350.27	3,966.51	94.00	177.80	0.70
15,379.00	89.15	175.08	12,250.60	-4,059.48	355.92	4,060.33	94.00	176.55	3.83
15,473.00	90.77	176.35	12,250.67	-4,153.21	362.94	4,154.08	94.00	175.72	2.19
15,567.00	92.06	176.11	12,248.34	-4,246.97	369.12	4,247.86	94.00	176.23	1.40
15,661.00	90.83	174.90	12,245.97	-4,340.65	376.48	4,341.56	94.00	175.50	1.84
15,754.00	90.27	179.91	12,245.08	-4,433.52	380.69	4,434.44	93.00	177.41	5.42
15,848.00	90.35	186.89	12,244.57	-4,527.30	375.12	4,528.20	94.00	183.40	7.43
15,942.00	88.22	186.64	12,245.74	-4,620.63	364.05	4,621.51	94.00	186.77	2.28



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #154H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Site:	Poker Lake Unit 25 BD	MD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Well:	#154H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	WBDS_SQL_2

Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)	
16,036.00	91.41	189.26	12,246.05	-4,713.71	351.05	4,714.55	94.00	187.95	4.39	
16,130.00	89.26	183.42	12,245.50	-4,807.08	340.68	4,807.90	94.00	186.34	6.62	
16,224.00	88.98	180.85	12,246.94	-4,901.00	337.18	4,901.81	94.00	182.14	2.75	
16,318.00	90.60	179.66	12,247.29	-4,994.99	336.76	4,995.80	94.00	180.25	2.14	
16,412.00	89.68	177.10	12,247.06	-5,088.95	339.41	5,089.76	94.00	178.38	2.89	
16,507.00	90.10	178.77	12,247.24	-5,183.88	342.84	5,184.70	95.00	177.94	1.81	
16,600.00	91.64	182.80	12,245.83	-5,276.84	341.56	5,277.66	93.00	180.78	4.64	
16,695.00	90.80	183.38	12,243.80	-5,371.68	336.44	5,372.49	95.00	183.09	1.07	
16,789.00	90.83	184.88	12,242.47	-5,465.42	329.68	5,466.21	94.00	184.13	1.60	
16,882.00	90.94	182.95	12,241.03	-5,558.19	323.33	5,558.96	93.00	183.92	2.08	
16,977.00	92.73	182.14	12,237.99	-5,653.04	319.11	5,653.81	95.00	182.55	2.07	
17,070.00	88.81	179.74	12,236.74	-5,746.00	317.59	5,746.76	93.00	180.94	4.94	
17,164.00	90.24	180.05	12,237.52	-5,839.99	317.76	5,840.75	94.00	179.90	1.56	
17,258.00	88.30	179.50	12,238.71	-5,933.98	318.13	5,934.74	94.00	179.78	2.15	
17,352.00	88.16	179.04	12,241.62	-6,027.93	319.32	6,028.69	94.00	179.27	0.51	
17,446.00	90.55	179.28	12,242.68	-6,121.90	320.70	6,122.67	94.00	179.16	2.56	
17,539.00	90.66	178.03	12,241.69	-6,214.87	322.88	6,215.64	93.00	178.66	1.35	
17,633.00	89.79	178.47	12,241.33	-6,308.82	325.76	6,309.60	94.00	178.25	1.04	
17,727.00	89.79	178.07	12,241.67	-6,402.78	328.59	6,403.56	94.00	178.27	0.43	
17,821.00	90.21	178.55	12,241.67	-6,496.74	331.37	6,497.53	94.00	178.31	0.68	
17,915.00	91.39	178.89	12,240.36	-6,590.70	333.47	6,591.50	94.00	178.72	1.31	
18,008.00	90.32	178.62	12,238.97	-6,683.67	335.49	6,684.47	93.00	178.75	1.19	
18,102.00	90.49	177.62	12,238.31	-6,777.62	338.57	6,778.42	94.00	178.12	1.08	
18,197.00	90.15	178.53	12,237.77	-6,872.56	341.76	6,873.38	95.00	178.08	1.02	
18,291.00	90.21	182.04	12,237.48	-6,966.54	341.29	6,967.36	94.00	180.28	3.73	
18,385.00	88.61	183.23	12,238.45	-7,060.44	336.97	7,061.24	94.00	182.63	2.12	
18,480.00	91.89	183.06	12,238.03	-7,155.28	331.76	7,156.07	95.00	183.15	3.46	



Wellbenders End Of Well Report

Company: XTO Energy
Project: Eddy County, NM (Nad-27 / East Zone)
Site: Poker Lake Unit 25 BD
Well: #154H
Wellbore: ST01
Design: ST01

Local Co-ordinate Reference: Well #154H
TVD Reference: RKB=26.5' @ 3371.50usft (PATT225)
MD Reference: RKB=26.5' @ 3371.50usft (PATT225)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: WBDS_SQL_2

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	CL (usft)	CL Azi (°)	DLeg (°/100ft)
18,575.00	89.79	180.80	12,236.64	-7,250.20	328.56	7,250.98	95.00	181.93	3.25
18,669.00	89.79	179.10	12,236.98	-7,344.20	328.64	7,344.98	94.00	179.95	1.81
18,762.00	89.43	179.79	12,237.62	-7,437.19	329.55	7,437.97	93.00	179.44	0.84
18,857.00	90.15	180.34	12,237.97	-7,532.19	329.44	7,532.97	95.00	180.07	0.95
18,951.00	89.23	180.46	12,238.47	-7,626.19	328.78	7,626.97	94.00	180.40	0.99
19,045.00	89.14	181.92	12,239.81	-7,720.15	326.83	7,720.93	94.00	181.19	1.56
19,139.00	91.36	181.54	12,239.40	-7,814.10	323.99	7,814.87	94.00	181.73	2.40
19,194.00	89.96	181.28	12,238.77	-7,869.08	322.64	7,869.85	55.00	181.41	2.59
19,288.00	88.98	181.78	12,239.64	-7,963.04	320.13	7,963.80	94.00	181.53	1.17
19,382.00	88.28	174.78	12,241.89	-8,056.91	322.95	8,057.68	94.00	178.28	7.48
19,476.00	89.62	175.71	12,243.61	-8,150.57	330.74	8,151.36	94.00	175.25	1.74
19,570.00	92.65	178.44	12,241.75	-8,244.41	335.53	8,245.21	94.00	177.07	4.34
19,664.00	88.16	175.79	12,241.08	-8,338.26	340.26	8,339.06	94.00	177.11	5.55
19,758.00	92.14	180.02	12,240.84	-8,432.15	343.70	8,432.97	94.00	177.90	6.18
19,852.00	88.70	175.90	12,240.15	-8,526.06	347.04	8,526.88	94.00	177.96	5.71
19,946.00	91.50	177.54	12,239.98	-8,619.89	352.42	8,620.73	94.00	176.72	3.45
20,040.00	88.42	175.25	12,240.05	-8,713.69	358.33	8,714.54	94.00	176.40	4.08
20,133.00	88.47	176.49	12,242.57	-8,806.41	365.03	8,807.28	93.00	175.87	1.33
20,155.00	87.94	175.81	12,243.26	-8,828.35	366.50	8,829.22	22.00	176.15	3.92
20,210.00	87.94	175.81	12,245.24	-8,883.17	370.52	8,884.05	55.00	175.81	0.00

Final Station Closure Distance= 8890.89 /Direction= 177.61 - Projection to Bit: 20210.00' MD/ 12245.24' TVD - TD: Latitude = 32.079529 / Longitude = -103.834991 - TD: Y= 393013.13 / X= 654350.72



Wellbenders End Of Well Report

Company:	XTO Energy	Local Co-ordinate Reference:	Well #154H
Project:	Eddy County, NM (Nad-27 / East Zone)	TVD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Site:	Poker Lake Unit 25 BD	MD Reference:	RKB=26.5' @ 3371.50usft (PATT225)
Well:	#154H	North Reference:	Grid
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	WBDS_SQL_2

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
20,210.00	12,245.24	-8,883.17	370.52	Final Station Closure Distance= 8890.89 /Direction= 177.61	
20,210.00	12,245.24	-8,883.17	370.52	Projection to Bit: 20210.00' MD/ 12245.24' TVD	
20,210.00	12,245.24	-8,883.17	370.52	TD: Latitude = 32.079529 / Longitude = -103.834991	
20,210.00	12,245.24	-8,883.17	370.52	TD: Y= 393013.13 / X= 654350.72	

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------